

ABSTRACT

A dynamic color mixing LED device that includes a plurality of light emitting diode units. Each light emitting diode unit includes e.g. a first LED of a first color (e.g. red) and a second LED of a second color (e.g. green). A third LED of a third color (e.g. blue can also be provided). A controller supplies respective driving signals to each of the first LED, second LED, and third LEDs individually. The respective driving signals individually control relative intensity outputs of the respective first LED, second LED, and third LED. With such an individual control each of the light emitting diode units can be controlled to output different color signals.